

DERWENT-ACC-NO: 1986-186540  
DERWENT-WEEK: 198629  
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TITLE: Aluminium alloy for piping connector of automobile radiator - consists of aluminium, copper, manganese, magnesium, with chromium and/or zirconium

PATENT-ASSIGNEE: FURUKAWA ALUMINIUM KK[FURW]

PRIORITY-DATA: 1984JP-0240997 (November 15, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 61119645 A	June 6, 1986	N/A	004	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
<u>JP61119645A</u>	N/A	1984JP-0240997	November 15, 1984

INT-CL\_(IPC): C22C021/06; F28F021/08

ABSTRACTED-PUB-NO: JP61119645A

BASIC-ABSTRACT: Alalloy consists of Cu 0.3-0.5%, Mn 0.5-1.5%, Mg 1-3%, additional Cr less than 0.3% and/or Zr less than 0.3%, and the balance Al with incidental impurities. This alloy is applied to port hole extrusion process for producing seamed pipe to form hollow hexagonal rod. The new Al alloy increases particularly in strength. If Cu greater than 0.5% , self corrosion performance of the alloy is augmented and the seamed zone is corroded preferentially. If Mn more than 1.5% massive Al-Mn cpd. is crystallised or precipitated to deteriorate plastic workability. If Mg greater than 3%, m.pt. of the alloy is lowered to aggravate brazing operation. Accordingly, the new Al alloy is superior to JIS 7 No.1 in corrosion resistance and to 3004 alloy in strength.

CHOSEN-DRAWING: Dwg.0/3

TITLE-TERMS:

ALUMINIUM ALLOY PIPE CONNECT AUTOMOBILE RADIATOR CONSIST ALUMINIUM COPPER  
MANGANESE MAGNESIUM CHROMIUM ZIRCONIUM

DERWENT-CLASS: M26 Q78

CPI-CODES: M26-B09; M26-B09A; M26-B09C; M26-B09M; M26-B09Z;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1986-080447

Non-CPI Secondary Accession Numbers: N1986-139157